

Gilroy Energy Center, LLC (for Lambie Energy Center)

5975 Lambie Road
Suisun City, CA 94585

May 30, 2017

Director of Compliance and Enforcement
Bay Area Air Quality Management District
375 Beale Street, Suite 600
San Francisco, CA 94105
Attn: Title V

**Subject: Gilroy Energy Center, LLC for the Lambie Energy Center
Title V Semi-Annual Monitoring Report
Facility # B4415
Reporting Period: November 1, 2016 – April 30, 2017**

To Whom It May Concern:

Enclosed is the Title V CEMS Semi-Annual Monitoring Report for the Lambie Energy Center ("LEC") for the reporting period from November 1, 2016 – April 30, 2017.

LEC is currently in compliance with the District CEMS regulations. LEC maintained compliance with the monitoring requirements listed in the Title V permit for LEC during this reporting period.

By signing this report I am certifying that based on information and belief formed after reasonable inquiry, the statements and information in the attached report are true, accurate, and complete.

If you have any questions or require additional information, please contact me at (707) 399-4393.

Sincerely,



Andrew Gundershaug
Plant Manager and Designated Representative/Responsible Official

Table VII – A
Applicable Limits and Compliance Monitoring Requirements
S-1 – COMBUSTION GAS TURBINE
November 1, 2016 through April 30, 2017

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance	
								Yes	No
NOx	BAAQMD 9-9-301.1.3	N		9 ppmv @ 15% O ₂ , dry	BAAQMD 9-9-501 and BAAQMD condition #20134, part 23c	C	CEM	X	
NOx	BAAQMD 9-9-301.1.3	N		9 ppmv @ 15% O ₂ , dry	BAAQMD condition #20134, part 24a	P/A	Source Test	X	
NOx	SIP Regulation 9-9-301.3	Y		9ppmv @ 15% O ₂ , dry	SIP Regulation 9-9-501 and BAAQMD condition #20134, part 23c	C	CEM	X	
NOx	SIP Regulation 9-9-301.3	Y		9ppmv @ 15% O ₂ , dry	BAAQMD condition #20134, part 24a	P/A	Source Test	X	
NOx	NSPS, 40 CFR 60.332(a)(1)	Y		99ppmv @ 15% O ₂ , dry	NSPS 40CFR 60.334(b)	C	CEM	X	
NOx	None	Y		None	40 CFR 75.10	C	CEM	X	
NOx	BAAQMD condition #20134, part 18.1	Y		2.5 ppm @15% O ₂ , dry 3-hr rolling average except during turbine startup or shutdown	BAAQMD condition #20134, part 18.1	C	CEM	X	
NOx	BAAQMD condition #20134, part 18.1	Y		2.5 ppm @15% O ₂ , dry, 3-hr average except during turbine startup or shutdown	BAAQMD condition #20134, part 24a	P/A	Source Test	X	
NOx	BAAQMD condition #20134, part 21	Y		121 lb/ day (as NO ₂)	BAAQMD condition #20134, part 23c	C	CEM	X	

Facility Name: Lambie Energy Center
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Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance	
								Yes	No
NOx	BAAQMD condition #20134, part 21	Y		16.4 tons per year (as NO2)	BAAQMD condition #20134, part 23c	C	CEM	X	
CO	BAAQMD condition #20134, part 18.3	Y		6 ppmv, @ 15% O2, dry, 3-hr average except during turbine startup or shutdown	BAAQMD condition #20134, parts 18.3 and 23c	C	CEM	X	
CO	BAAQMD condition #20134, part 18.3	Y		6 ppmv, @ 15% O2, dry, 3-hr average except during turbine startup or shutdown	BAAQMD condition #20134, part 24c	P/A	Source Test	X	
CO	BAAQMD condition #20134, part 21	Y		163 lb/ day	BAAQMD condition #20134, part 23c	C	CEM	X	
CO	BAAQMD condition #20134, part 21	Y		29.1 tons per year	BAAQMD condition #20134, part 23c	C	CEM	X	
CO2		Y		None	40 CFR 75.10	C	CEM (CO2) or CEM (O2) or fuel flow monitor	X	
SO2	BAAQMD 9-1-301	Y		GLC ¹ of 0.5 ppm for 3 min or 0.25 ppm for 60 min or 0.05 ppm for 24 hours		N		X	
SO2	BAAQMD 9-1-302	Y		300 ppm (dry)	BAAQMD condition #20134, part 23f	P/A	Source Test	X	
SO2	BAAQMD 9-1-302	Y		300 ppm (dry)	BAAQMD condition #20134, part 23e	P/Q	Total Sulfur analysis	X	

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Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance	
								Yes	No
SO2	NSPS 40 CFR 60.333(a)	Y		0.015% (vol) @ 15% O ₂ (dry)	NSPS 40 CFR 75.11(d)(2), 40 CFR 75, Appendix D, part 2.3 NSPS 40 CFR 60.334(h)(3)		Fuel Measurements, calculations	X	
SO2	None	Y		None	40 CFR 75.11(d)(2), 40 CFR 75, Appendix D, part 2.3		Fuel measurements, calculations	X	
SO2	BAAQMD condition #20134, part 18.6	Y		1.39 lb/hr excluding startup and shutdown of turbines	BAAQMD condition #20134, part 23e	P/Q	Total sulfur content analysis	X	
SO2	BAAQMD condition #20134, part 18.6	Y		1.39 lb/hr excluding startup and shutdown of the turbines	BAAQMD condition #20134, part 24f	P/A	Source test	X	
SO2	BAAQMD condition #20134, part 21	Y		33 lb/ day	BAAQMD condition #20134, part 24f	P/A	Source test	X	
SO2	BAAQMD condition #20134, part 21	Y		6.0 tons/year	BAAQMD condition #20134, part 24f	P/A	Source test	X	
Opacity	BAAQMD 6-1-301	N		>= Ringelmann No.1 for no more than 3 minutes in any hour		N		X	
Opacity	BAAQMD 6-301	Y		>= Ringelmann No.1 for no more than 3 minutes in any hour		N		X	
Opacity	BAAQMD condition #20134, part 17	Y		> = Ringelmann No.1 for no more than 3 minutes in any hour or equivalent 20% opacity		N		X	

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Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance	
								Yes	No
Filterable Particulate	BAAQMD 6-1-310	N		0.15 grains/dscf		N		X	
Filterable Particulate	SIP 6-310	Y		0.15 grains/dscf		N		X	
PM10	BAAQMD condition #20134, part 18.5	Y		3 lb/hr for S-1	BAAQMD condition #20134, part 24e	P/A	Source Test	X	
PM10	BAAQMD condition #20134, part 21	Y		72 lb/day	BAAQMD condition #20134, parts 24e	P/A	Source Test	X	
PM10	BAAQMD condition #20134, part 21	Y		13.1 tons/year	BAAQMD condition #20134, part 24e	P/A	Source Test	X	
POC	BAAQMD condition #20134, part 18.4	Y		2 ppmv @ 15% O ₂ , dry, except during turbine startup or shutdown	BAAQMD condition #20134, part 24d	P/A	Source Test	X	
POC	BAAQMD condition #20134, part 21	Y		30.0 lb/calendar day	BAAQMD condition #20134, part 24d	P/A	Source Test	X	
POC	BAAQMD condition #20134, part 21	Y		4.9 ton/year	BAAQMD condition #20134, part 24d	P/A	Source Test	X	
NH ₃	BAAQMD condition #20134, part 18.2	N		10ppmv @15% O ₂ , dry, except during turbine startup or shutdown	BAAQMD condition #20134, parts 18.2 and 23b	C	District approved correct ammonia slip calculation and correction factor determined by source test	X	
NH ₃	BAAQMD condition #20134, part 18.2	N		10ppmv @15% O ₂ , dry, except during turbine startup or shutdown	BAAQMD condition #20134, part 24b	P/A	Source Test	X	
Heat input limit	BAAQMD condition #20134, part 22	Y		500 MMBTU/hr (HHV), 3-hr average	BAAQMD condition #20134, part 23d	C	Fuel meter,	X	

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Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance	
								Yes	No
Heat input limit	BAAQMD condition #20134, part 22	Y		500 MMBTU/hr (HHV), 3-hr average	BAAQMD condition #20134, part 23d	P/Q	Fuel composition analysis	X	
Heat input limit	BAAQMD condition #20134, part 22	Y		500 MMBTU/hr (HHV), 3-hr average	BAAQMD condition #20134, part 24g	P/A	Source test	X	
Heat input limit	BAAQMD condition #20134, part 22	Y		12,000 MMBTU/day (HHV)	BAAQMD condition #20134, part 23d	C	Fuel meter, calculations	X	
Heat input limit	BAAQMD condition #20134, part 22	Y		12,000 MMBTU/day (HHV)	BAAQMD condition #20134, part 31g	P/Q	Fuel composition analysis	X	
Heat input limit	BAAQMD condition #20134, part 22	Y		4,380,000 MMBTU/yr (HHV)	BAAQMD condition #20134, part 23d	C	Fuel meter, calculations	X	
Heat input limit	BAAQMD condition #20134, part 22	Y		4,380,000 MMBTU/yr (HHV)	BAAQMD condition #20134, part 31g	P/Q	Fuel composition analysis	X	
MW	N/A			None	BAAQMD condition #20134, part 24h	P/A	Source test	X	
Exhaust Gas temperature	N/A			None	BAAQMD condition #20134, part 24j	P/A	Source test	X	
Stack gas flow	N/A			None	BAAQMD condition #20134, part 24i	P/A	Source test	X	
NH3 injection rate	N/A			None	BAAQMD condition #20134, part 24k	P/A	Source test	X	

Table VII - B
Applicable Limits and Compliance Monitoring Requirements
S-2 – DIESEL FIREWATER PUMP

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance	
								Yes	No
SO2	BAAQMD 9-1-301 BAAQMD	Y		GLC ¹ of 0.5 ppm for 3 min or 0.25 ppm for 60 min or 0.05 ppm for 24 hours	None	P/E	Fuel certification by vendor	X	
	BAAQMD 9-1-304	Y		Sulfur content of fuel <0.5% by weight	None	P/E	Fuel certification by vendor	X	
Opacity	BAAQMD Regulation 6-1-303	N		>=Ringelmann 2 for no more than 3 min/hr		N		X	
Opacity	SIP Regulation 6-303	Y		>=Ringelmann 2 for no more than 3 min/hr		N		X	
FP	BAAQMD Regulation 6-1-310	N		0.15 grain/dscf		N		X	
FP	SIP Regulation 6-310	Y		0.15 grain/dscf		N		X	
Hours of operation	BAAQMD 9-8-330.1 BAAQMD Condition #22851 Part 2	N		Emergency use for an unlimited number of hours	BAAQMD 9-8-530 BAAQMD Condition #22851 Part 3 and 4	C P/E	Hour meter, recordkeeping	X	

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								Yes	No
Hours of operation	BAAQMD 9-8-330.2	N		Reliability-related activities not to exceed 100 hours in any consecutive 12-month period	BAAQMD Regulation 9-8-530	C P/E	Hour meter, recordkeeping	X	
Hours of operation	BAAQMD 9-8-330.3	N	1/1/2012	<50 hours per calendar year for reliability testing	BAAQMD Regulation 9-8-530	C P/E	Hour meter, recordkeeping	X	
Hours of operation	BAAQMD Condition 22851, Part 1	Y		<=34 hours per calendar year for reliability testing	BAAQMD Regulation 22851, Part 3 and 4	C	Hour meter, recordkeeping	X	

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Table VII - C
Applicable Limits and Compliance Monitoring Requirements
S-3 – COOLING TOWER

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type	Compliance	
								Yes	No
Opacity	BAAQMD Regulation 6-1-301	N		>=Ringelmann 1 for no more than 3 min/hr		N		X	
Opacity	SIP Regulation 6-301	Y		>=Ringelmann 1 for no more than 3 min/hr		N		X	
Particulate Weight	BAAQMD Regulation 6-1-310	N		0.15 grains per dscf		N		X	
Particulate Weight	SIP Regulation 6-310	Y		0.15 grains per dscf		N		X	